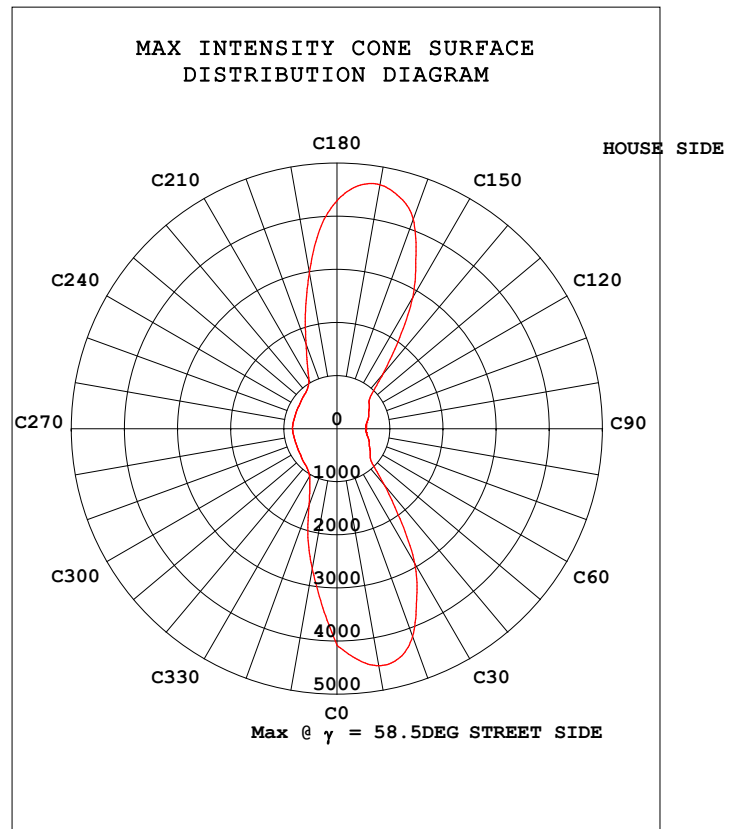
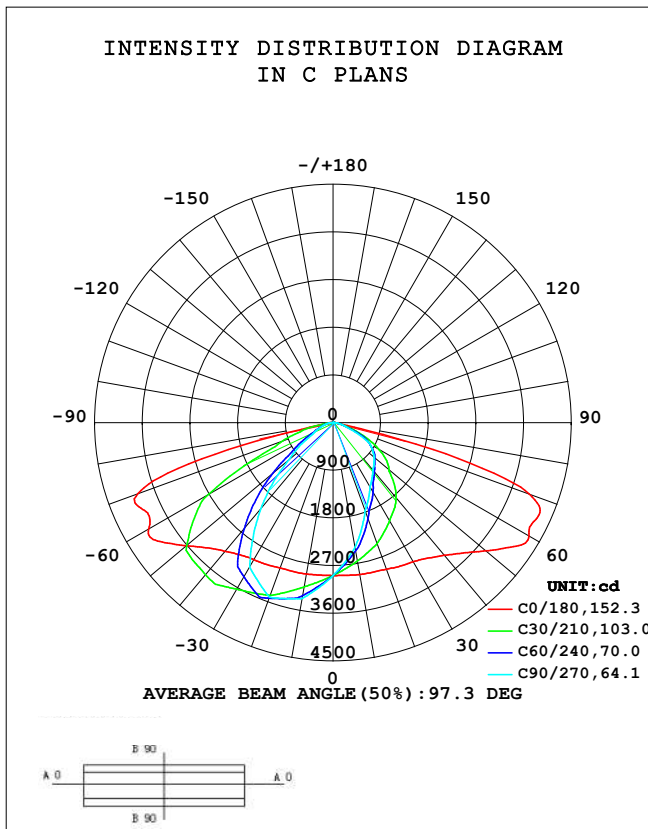


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.04 lm/W			
MODEL	LED	Imax (cd)	4667	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	50.7
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9245	η house_up (%)	0.0
NOMINAL FLUX (lm)	9244.53	MAXIMUM @ (C, γ)	170,58.5	η house_down (%)	49.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.252



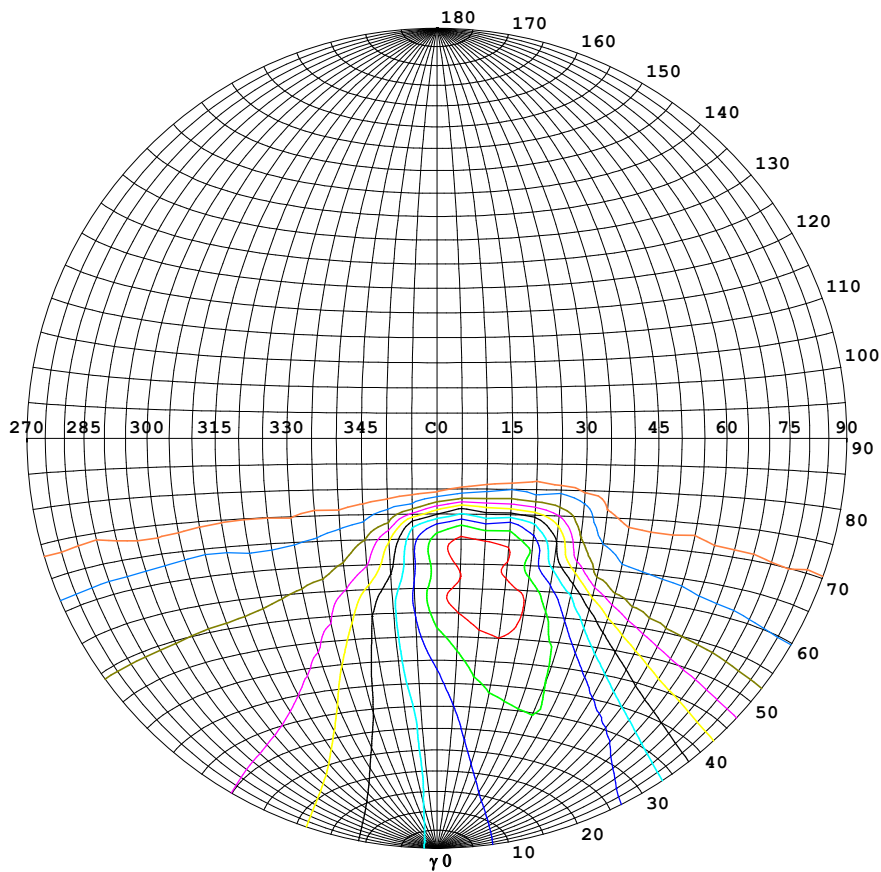
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



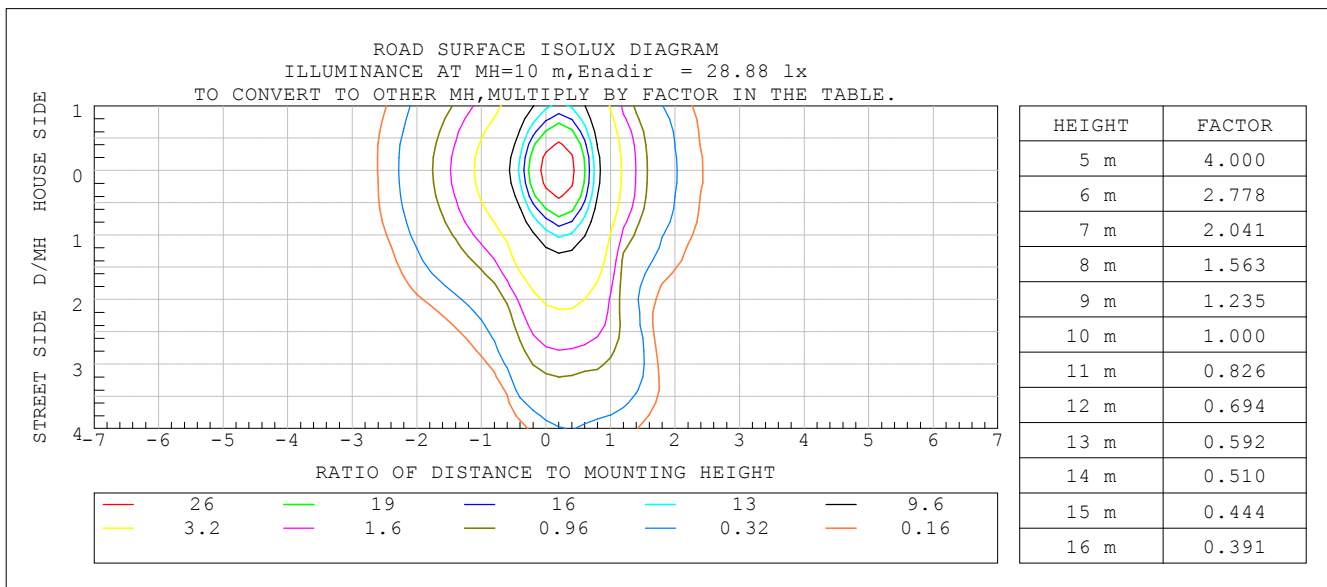
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:47.96cd/klm
Max.At90:4.203cd/klm
Max.80-90:47.96cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4667
90%	4200
80%	3733
70%	3267
60%	2800
50%	2333
40%	1867
30%	1400
20%	933
10%	467
5%	233

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

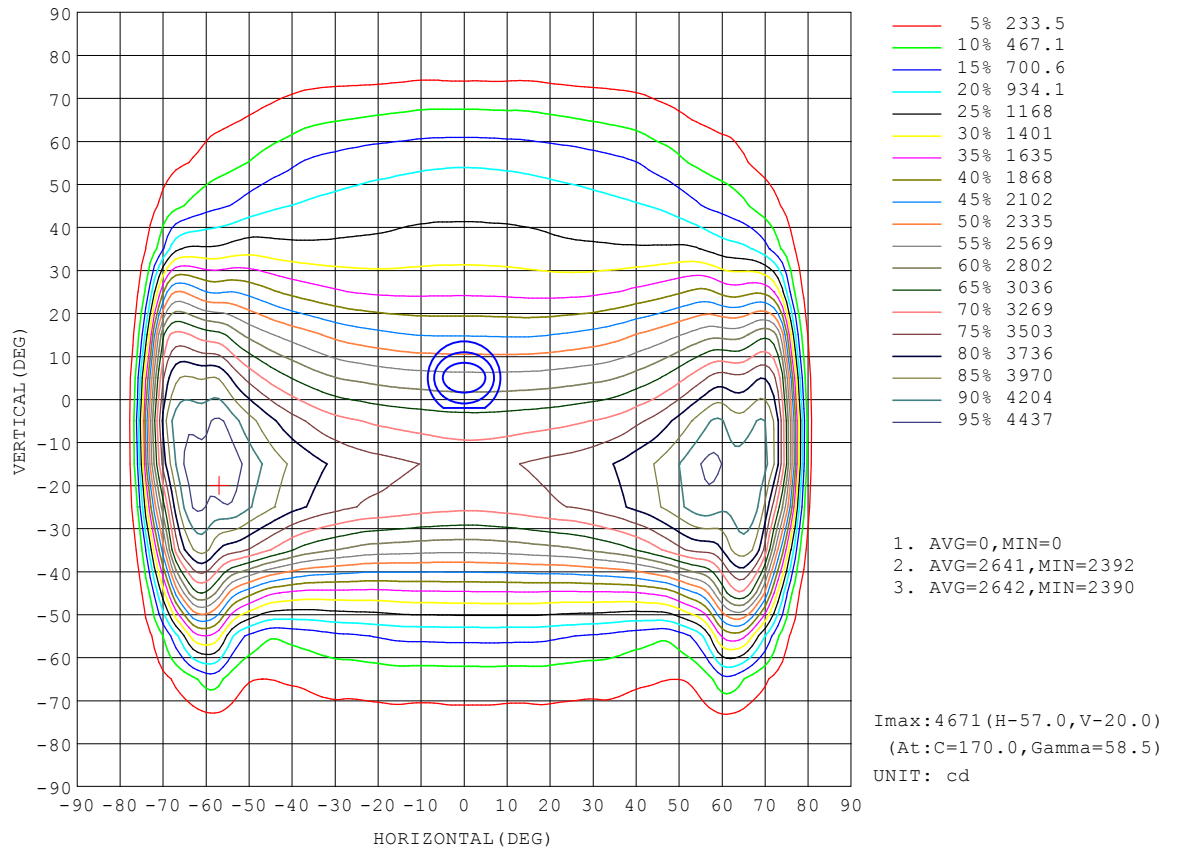
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
5	2890	3060	3130	3064	2894	2715	2641	2712	0- 5	69.04	69.04	0.75,0.75
10	2903	3245	3372	3253	2913	2546	2395	2536	5- 10	206.9	275.9	2.98,2.98
15	2910	3422	3440	3434	2923	2365	2085	2346	10- 15	341.8	617.8	6.68,6.68
20	2923	3512	3509	3517	2947	2143	1776	2112	15- 20	467.8	1086	11.7,11.7
25	2959	3608	3329	3602	2992	1923	1589	1874	20- 25	583.5	1669	18.1,18.1
30	2989	3589	3149	3570	3034	1733	1402	1682	25- 30	684.0	2353	25.5,25.5
35	3051	3463	2633	3430	3125	1533	1289	1493	30- 35	765.1	3118	33.7,33.7
40	3172	3296	2117	3256	3272	1317	1175	1290	35- 40	819.7	3938	42.6,42.6
45	3347	2822	1601	2761	3480	1213	1098	1192	40- 45	849.7	4788	51.8,51.8
50	3616	2295	1086	2214	3767	1086	1020	1075	45- 50	856.0	5644	61,61
55	3934	1561	767.3	1503	4097	976.1	912.8	971.8	50- 55	839.6	6483	70.1,70.1
60	4020	773.0	448.6	751.4	4273	837.1	806.1	844.5	55- 60	799.1	7282	78.8,78.8
65	3928	483.5	343.2	468.8	4254	642.6	551.6	647.3	60- 65	700.0	7982	86.3,86.3
70	3925	283.8	237.8	279.6	3944	415.6	297.1	416.6	65- 70	603.4	8586	92.9,92.9
75	2312	192.7	161.6	191.7	1962	222.7	197.9	215.5	70- 75	436.9	9023	97.6,97.6
80	163.2	118.2	85.39	119.1	106.3	123.8	98.63	119.7	75- 80	170.3	9193	99.4,99.4
85	67.78	31.95	0	32.86	39.71	30.55	0	29.27	80- 85	44.48	9238	99.9,99.9
90	38.86	0	0	0	31.48	0	0	0	85- 90	6.948	9245	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

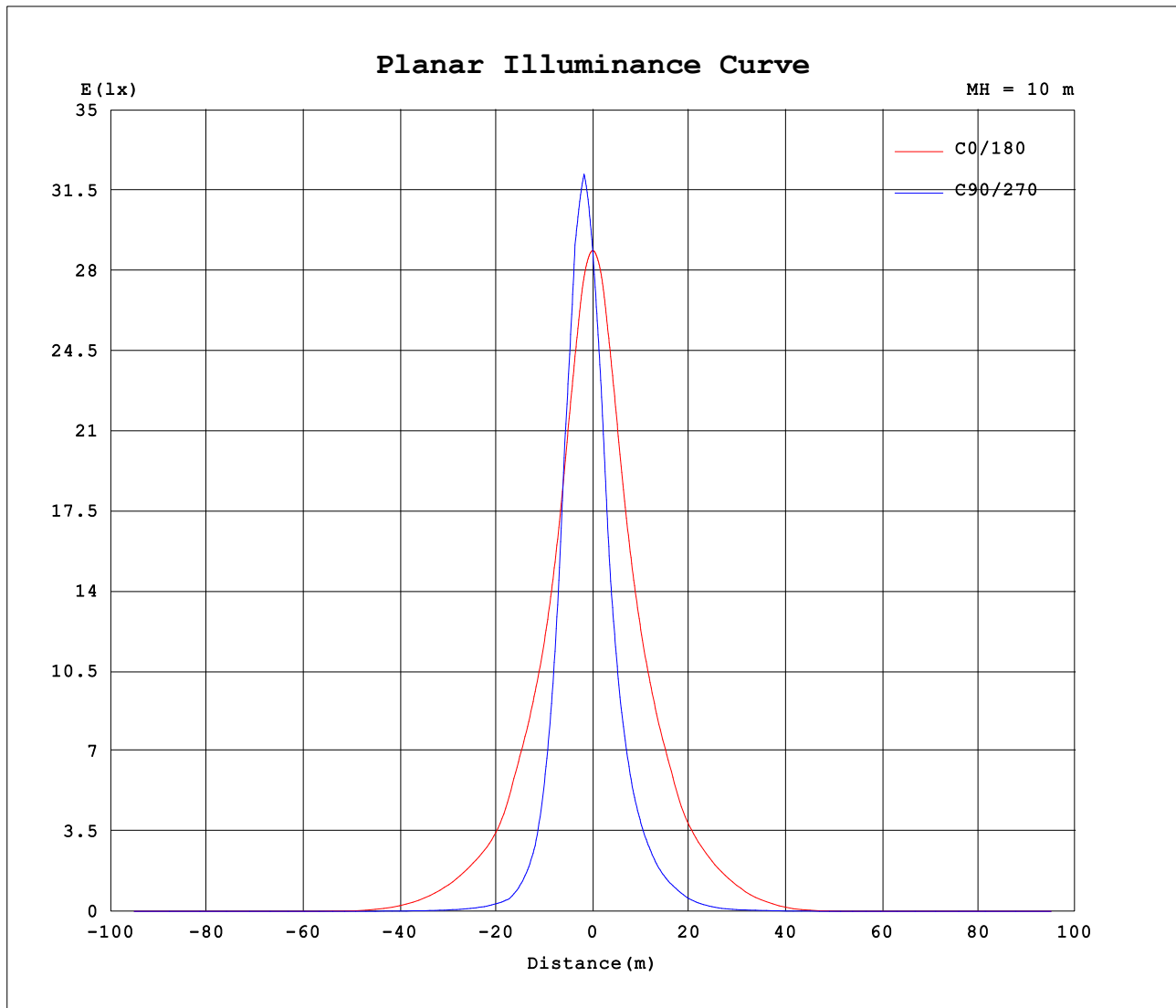
Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



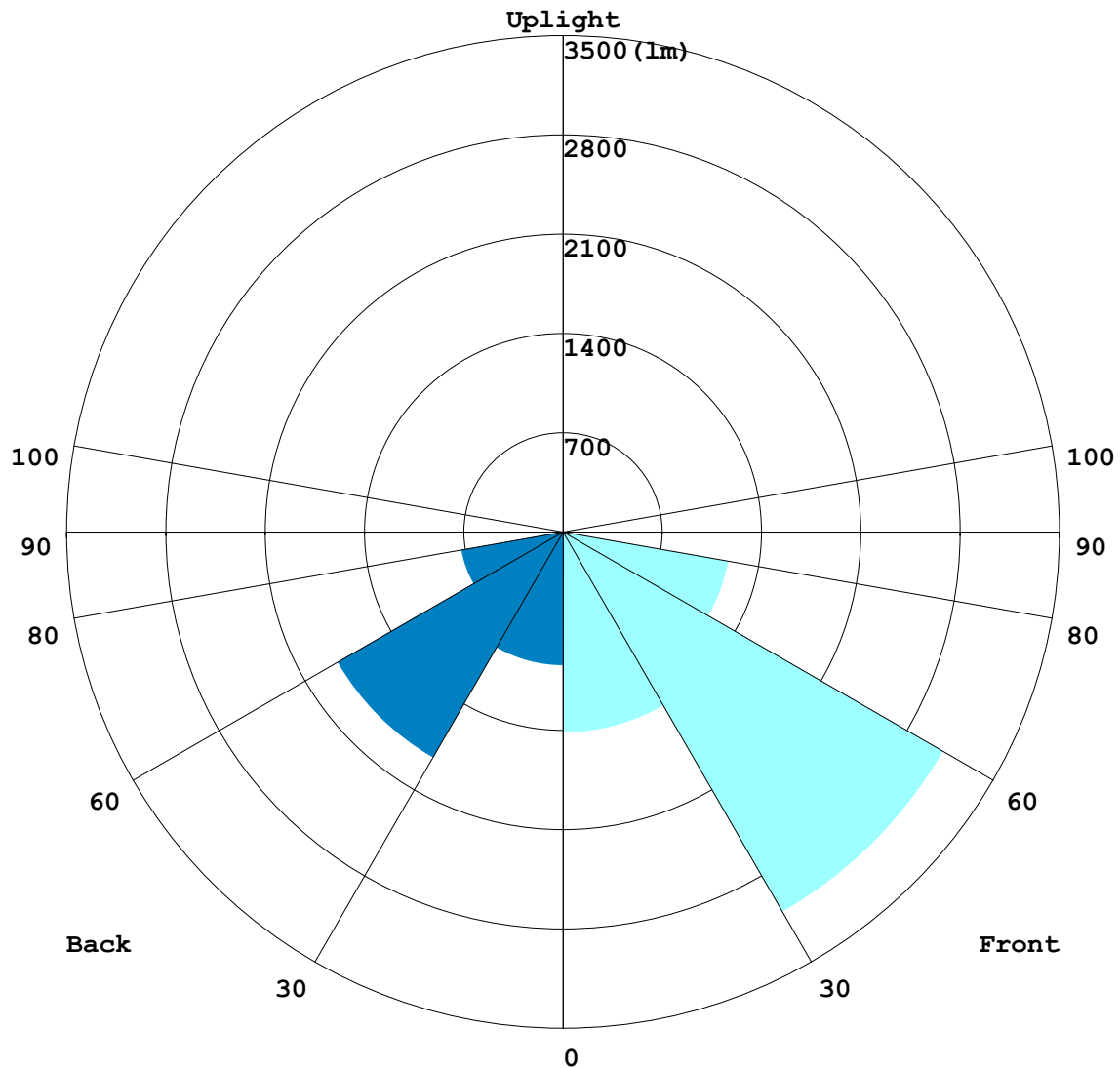
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1412.9	15.3
FM - Front-Medium(30-60)	3093.5	33.5
FH - Front-High(60-80)	1182	12.8
FVH - Front-Very High(80-90)	29.747	0.3
Total Forward Light	5718.2	61.9

BL - Back-Low(0-30)	940.25	10.2
BM - Back-Medium(30-60)	1835.8	19.9
BH - Back-High(60-80)	728.68	7.9
BVH - Back-Very High(80-90)	21.679	0.2
Total Back Light	3526.4	38.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3526.4	0	3526.4
Street Side	5718.2	0	5718.1

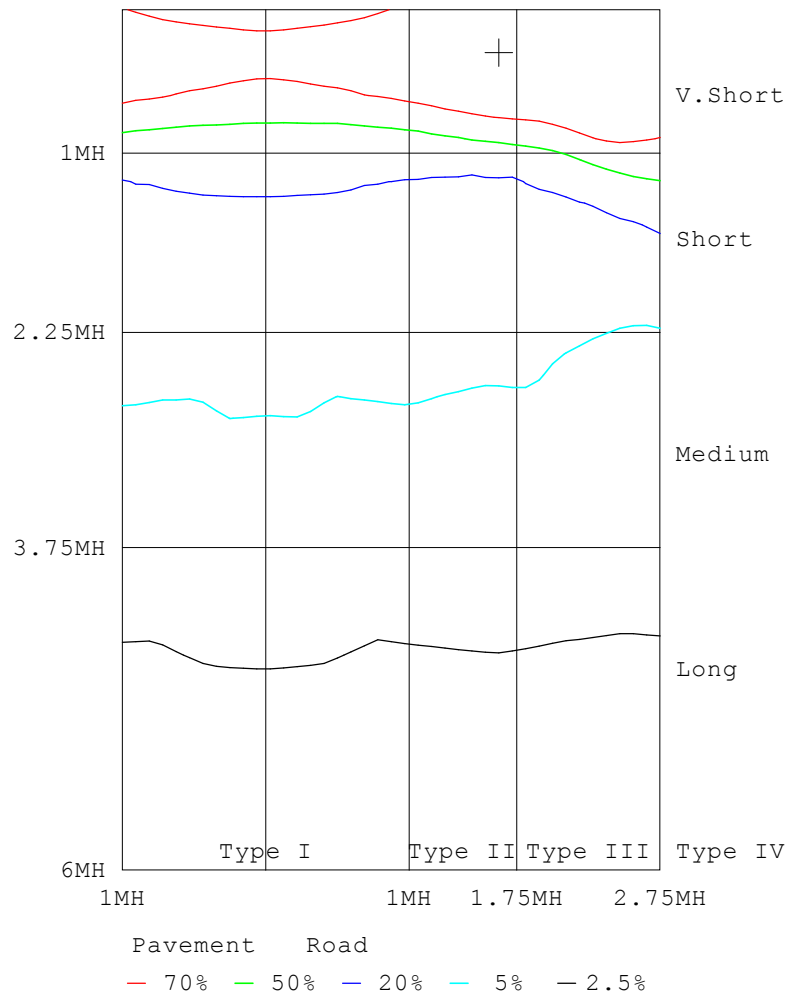
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.2807A P:60.80W PF:0.9809 Lamp Flux:9244.53x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-22

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```